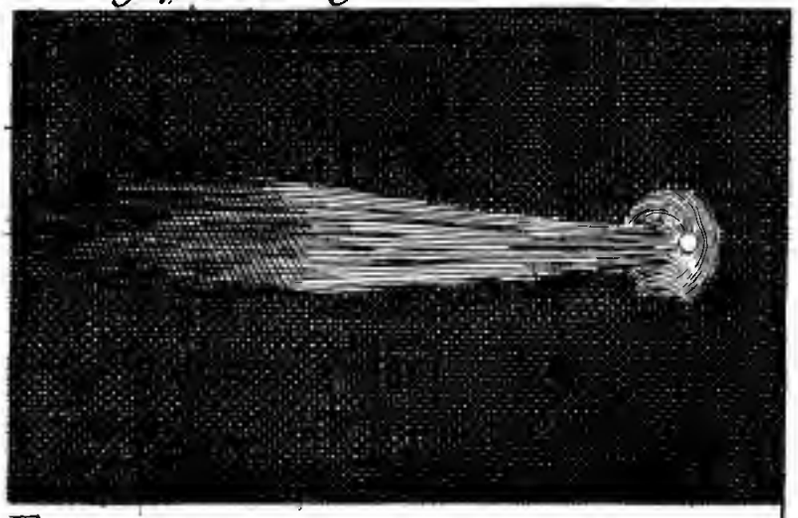
II. *Extract of a Letter from the Right Honourable the Lord* Paiſley, *F. R. S. to Mr.* George Graham, *F. R. S. With ſome curious Figures of the ſame Comet.*

HIS Lordſhip being at *Witham* in *Eſſex*, where he had the Advantage of a very clear Sky, firſt diſcover'd this Comet on *Friday* the 11th of *Octob.* laſt about 7 in the Evening; it then appeared not much unlike a Star of between the 4th and 5th Magnitudes, but a Hazineſs round the Head, and ſome Light ſtreaming from it on that Side that was oppoſite to the Sun, induced him immediately to look upon it as a ſmall Comet; which his Obſervation the next Evening abundantly ſatisfy'd him of. His Lordſhip was very particular in the Notice he took of its Appearance, and was pleaſed to communicate the three curious annexed Figures [*Fig.* 1, 2, 3.] of it, repreſenting it on three ſeveral Nights, *viz.* the 11th, 13th and 15th of the ſame Month; ſome time after which the Tail became ſo inconſiderable as hardly to deſerve any farther Deſcription; as will be readily judged from the Decreaſe of it between the 11th and 15th Days of the Month. The Tail was viſible on the 11th to near a Degrees Diſtance from the Body, as his Lordſhip found by comparing it with ſome known Diſtances in the Heavens; it was of a dusky Light not unlike a Cloud growing darker and darker towards its Extremity, as is expreſs'd in the firſt Figure, where, as well as in the two following, the white Speck in the Head is intended to expreſs the Brightneſs

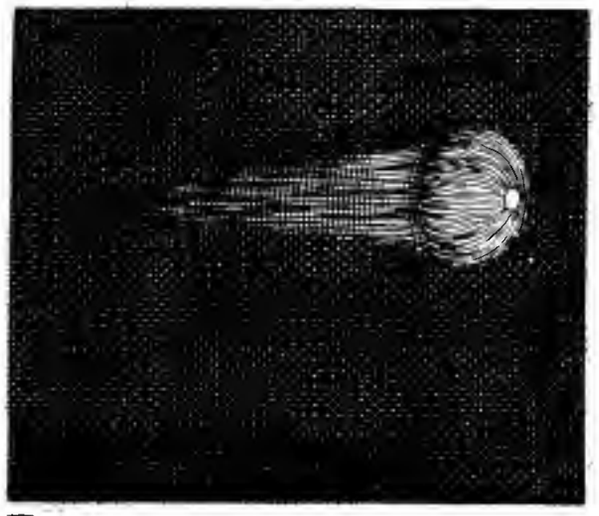
neſs of a ſmall Star; from the Compariſon of which with the Tail the Brightneſs of the latter may in ſome ſort be collected: The Tail appear'd ſharper, and not ſo much ſpread in the two following Obſervations, and in the laſt did not exceed one third Part of the firſt Length; it was then of a much darker Colour, which made the Difference between that and the Head more obſervable, the Head yet appearing ſufficiently bright. For ſome following Nights his Lordſhip's Obſervations were interrupted by cloudy Weather, after which the Comet was ſo far diminiſh'd, as only to be known by its Motion, its Appearance being no ways diſtinguiſhable from that of a ſmall nebuloſe Star.

III. *Obſervatio ejuſdem Cometæ ab Illuſtriſſimo Domino* Franciſco Bianchini *habita* Albani *Menſe* Octobri, 1723. *& ab eodem Ulyſipponem miſſa* P. Joanni Baptiſtæ Carbone *Soc JESU. Commuuicavit* Iſaacus Samuda, *M. D. Col. Med.* Lond. *L. S. R. S.*

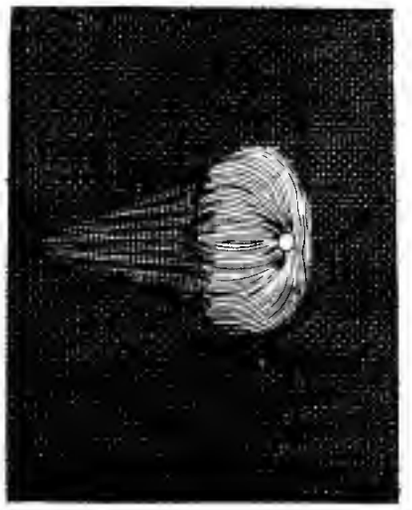
DIE 17 *Octobris*, poſtquam Jovialium Comitum ſitum obſervaſſem fortè in Conſtellationem *Capricorni* oculos conieci; cumque aſtra ſingula percurrerem, in quamdam veluti nebuloſam ſtellam incidi, cæteris ſane grandiorem, quam tamen ibidem loci numquam antea obſervaram. Rei novitate perſcrutaturus, eo Teleſcopium direxi, ſtatimque Cometen eſſe deprehendi; ſiquidem tenuiſſimæ nebulæ globus apparuit, ejuſque in medio veluti lucidus nucleolus. Idem quoque nudis oculis diſcernere licuit; & præ-



F.1. Friday Oct.r 11.th at 7. in the Evening.



F.2. Sunday Oct.r 13.th at 6. ditto



F.3 Tuesday Oct.r 15.th at 6. ditto

Supposing the Moon to be of this Diameter, the Comet Seem'd to me to be in proportion to this Circle; as above delineated.

Fig. 4.

Fig. 5.

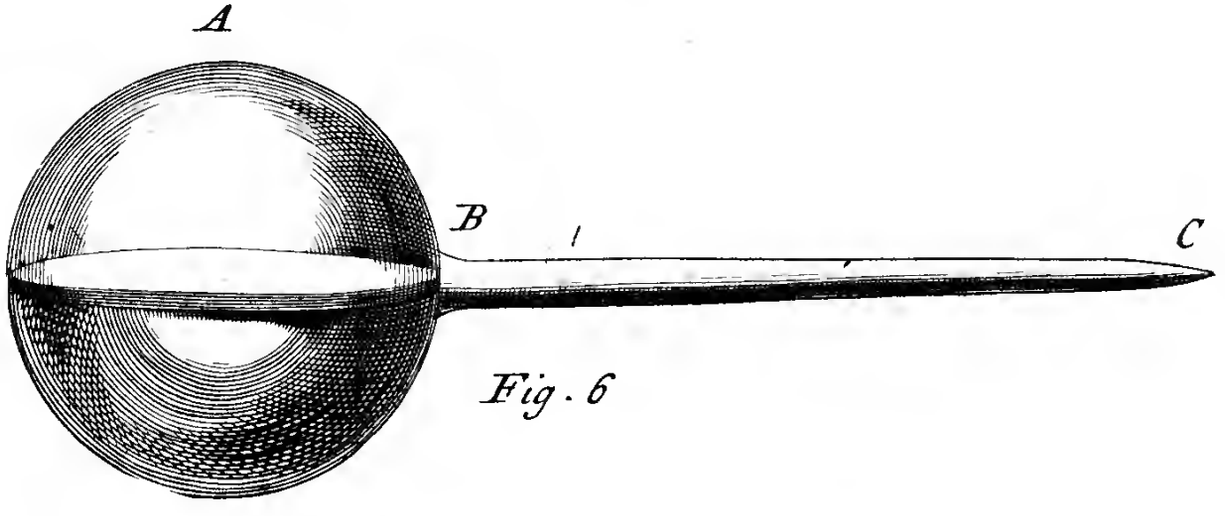


Fig. 6